

CHEM ARROW CORPORATION INTERNATIONAL
MATERIAL SAFETY DATA SHEET

Date: August 2004

Section I	Product Information
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Manufacturer: Chem Arrow Corporation International
13643 Live Oak Lane
Irwindale, California 91706, USA
Telephone: (626) 358 -2255 Fax: (626) 359-8190

Product: Arrow 20458 Synthetic Lubricant

Chemical Name: Synthetic Soap with Lubricity & Extreme Pressure Additives

Chemical Family: Water Soluble Synthetic Lubricant

Formula: # 20458

Section II	Hazardous Ingredients
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<u>Chemical Name</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Triethanolamine	102-71-6	5mg/m ³	5mg/m ³
Isononanoic Acid	3302-10-1	N/E	N/E

Other than the ingredients listed above, this product contains no other ingredients known to be hazardous as defined in OSHA 29 CFR 1910.1000 (Subpart Z), OSHA 29 CFR 1910.1200, The National Fire Protection Association List of Hazardous Substances, and the California general Industry Safety Order 5194.

D.O.T. Classification: Not Regulated

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Section III	Physical Data
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Melting Point F: N/A	Boiling Point F: 212
Vapor Pressure: N/A	Vapor Density (Air=1): Heavier
Solubility In Water: Soluble	Specific Gravity (H ₂ O=1): 1.08
Evaporation Rate (Ether=1): N/A	Percent Volatile by Weight: N/A

Appearance and Odor: Amber Clear, Characteristic Odor

Section IV	Fire and Explosion Data
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Extinguishing Media: Regular Foam or Carbon Dioxide or Dry Chemical.
Unusual Fire & Explosion Hazards: N/A

Fire Fighting Procedures: Use regular procedure.

Flash Point (Method Used): N/A	
Flammable Limits: Lower Limit: N/A	Upper Limit: N/A

Section V	Health Hazard Information
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Routes of Exposure and Effects of Overexposure:

Inhalation: TLV for this product has not been established.
Skin Contact: Repeated or prolonged contact may cause irritation.
Skin Absorption: Not expected to occur.
Eye Contact: This product may cause eye irritation.
Ingestion: Oral LD50 has not been established. Do not ingest.
Emergency First Aid Procedures:
Eye Contact: Flush the affected area with water for at least 15 minutes. If irritation develops, seek medical attention.
Skin Contact: Cleanse the affected areas with soap and water. If redness or irritation develops seek medical attention.

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Section V	Health and Hazard Information Continued
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Inhalation: If irritation occurs, remove to fresh air, avoid further inhalation.

Ingestion: Seek medical attention.

Chronic Effects of Overexposure:

Prolonged or repeated skin contact may cause dermatitis (skin irritation). This product is not listed as, or anticipated to be a potential carcinogen by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

Acute Toxicological Properties: No data available.

Routes of Entry: Ingestion and if a mist is generated, inhalation.

Target Organ (s): Skin. Respiratory tract if a mist is generated (the respiratory tract May become irritated).

Section VI	Reactivity Data
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Stability: Stable

Incompatibility: Avoid contact with strong oxidizing agents such as oxygen.

Hazardous Decomposition Products: Oxides of carbon.

Hazardous Polymerization: Will not occur.

Section VII	Special Handling Information
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Steps to be taken for Spills and/or Disposal: Pick up large spills with vacuum trucks or pumps. Absorb small spills/leaks with oil absorbent. Follow local, state and federal regulations regarding disposal.

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Section V II	Special Handling Information
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Ventilation: General mechanical ventilation may be adequate but if misting occurs, provide local ventilation.

Protective Gloves: The use of neoprene gloves which are impermeable is recommended.

Eye Protection: Recommend safety goggles or face shield.

Other Protective Equipment: It is recommended that an emergency shower and eyewash be available in the work area.

Section V II	Special Handling Information
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AVOID CONTACT WITH THE EYES AND BREATHING MISTS.
WASH CONTAMINATED CLOTHING BEFORE USING.
DO NOT TAKE INTERNALLY.
KEEP DRUMS CLOSED WHEN NOT IN USE.
BRING PRODUCT TO ROOM TEMPERATURE BEFORE USING.